



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/535,045	05/13/2005	Shin Utsunomiya	Toyo-5	2031
54884	7590	02/15/2008	EXAMINER	
GOMEZ INTERNATIONAL PATENT OFFICE, LLC			SASTRI, SATYA B	
1501 N. RODNEY STREET			ART UNIT	PAPER NUMBER
SUITE 101				
WILMINGTON, DE 19806			1796	
			MAIL DATE	DELIVERY MODE
			02/15/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/535,045	UTSUNOMIYA ET AL.	
	Examiner	Art Unit	
	SATYA B. SASTRI	1796	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 03 December 2007.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-5 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) 4 and 5 is/are allowed.

6) Claim(s) 1 and 2 is/are rejected.

7) Claim(s) 3 is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

- Certified copies of the priority documents have been received.
- Certified copies of the priority documents have been received in Application No. _____.
- Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

5) Notice of Informal Patent Application

6) Other: _____.

DETAILED ACTION

1. This action is in response to applicant's amendment filed on December 3, 2007. Claims 1-5 are now pending in the application.

Previously Cited Statutes

2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

3. Claims 1, 2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Okuhara et al. (US 5,102,775) in view of Minoru et al. (JP 11-327139, machine translation, cited as an X reference in the International Search Report).

The rejection is adequately set forth in paragraph 7 of the office action dated 8/3/07 and is incorporated herein by reference.

Allowable Subject Matter

4. Claims 4 and 5 are allowed.

Claim 3 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Presently cited claims are allowable over closest prior art of record to Okuhara et al. (US 5,102,775) and Minoru et al. (JP 11-327139). The combination of references does not teach or suggest a hydrogel formed or a method of forming a hydrogel from the light sensitive coating composition.

Response to Arguments

5. Applicant's arguments have been fully considered but not found persuasive with regard to the rejection of claims 1 and 2. Applicants specifically state that the prior art to Okuhara et al. is not combinable with that to Minoru et al. because Okuhara et al. disclose a water-based visible light sensitive composition for electrodeposition coating where as Minoru et al. disclose an organic solvent-based ultraviolet sensitive composition for a printed wired board.

Examiner maintains that the cited references are combinable and the motivation to combine stems from the advantages of incorporating the specific glycidyl compound of formula (I) into the photocurable acrylic resin. Minoru et al. explicitly disclose that acrylic resins modified by glycidyl compound (I) are capable of being developed by aqueous alkali solution and have heat resistance and solvent resistance. Even though the compositions in the two prior art differ in that one is in an aqueous medium while the other is in an organic solvent and even though the end usage of the two compositions are different, nonetheless, both references teach coating compositions. One of ordinary skill in the art would be motivated to incorporate the teachings of Minoru et al. into that of Okuhara et al. so that a heat resistant and solvent resistant acrylic resin results.

In light of above discussion, the rejections of claims 1 and 2 are maintained.

Action Is Final

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Future Correspondence

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Satya Sastri whose telephone number is 571-272-1112. The examiner can be reached on Mondays, Tuesdays and Wednesdays, 9AM-4PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski can be reached on 571-272-1302. The fax phone numbers for the

organization where this application or proceeding is assigned is (571) 273-8300 for regular communications. The unofficial direct fax phone number to the Examiner's desk is 571-273-1112.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SATYA SASTRI

February 7, 2008

/Randy Gulakowski/

Supervisory Patent Examiner, Art Unit 1796

Application Number 	Application/Control No.	Applicant(s)/Patent under Reexamination
	10/535,045	UTSUNOMIYA ET AL.
Examiner	Art Unit	
SATYA B. SASTRI	1796	